

Pressemeldung

Demag quadro chain hoist for a broad range of applications

- **Series hoist unit with four pick-up points**
- **Precise handling thanks to mechanical synchronisation**
- **One motor for four chain drives**

Wetter, Germany, 13 March 2018. Fitted with four load hooks, the Demag LDC-Q quadro chain hoist allows different load handling attachments to be lifted and transported at the same time. The available LDC-Q sizes enable loads weighing up to 3.2 t to be handled safely and efficiently.

The Demag LDC-Q quadro chain hoist, a series hoist unit from Demag's DC range that has a successful track record all over the world, can be used for a wide variety of handling requirements in production and logistics applications. Equipped with four load hooks, LDC-Q units can handle and transport customer-specific load handling attachments or flat components and feed materials to the relevant workstations.

The basis for this broad range of applications is the technology offered by the LDC-D double chain hoist and some dedicated characteristics. For example, these include a design that combines two double chain hoists which have only one drive, which is a special technical feature. This means that only one chain hoist motor transfers power to the other three chain lead-offs of the Demag LDC-Q quadro unit via corresponding connections. Mechanically synchronised hook lead-offs provide for uniform and precise load handling. This arrangement enables loads with an asymmetrical weight distribution up to a ratio of 70:30 to be picked up without any problems.

ProHub integrated variable speed control, which is a feature unique to Demag chain hoists, also permits rated speeds of up to 90 percent higher in the partial load range.

Operators can utilise sizes DC 10 and DC 25 for handling loads weighing up to 3.2 t.

The Demag LDC-Q quadro chain hoist offers benefits for safe and efficient lifting. Operation of the control unit with low voltage (24 V contactor control) as well as smooth starting and braking for low load sway are also significant factors. Further safety-related functions satisfy at least Performance Level c and Category 2 to EN ISO 13849-1.

Besides safety, service is also of major importance. The generously dimensioned slipping clutch and gearbox, which is maintenance-free for up to 10 years, as well as fast and simple maintenance of individual components thanks to its modular design, help to make the Demag LDC-Q quadro chain hoist easy to service. These are all important aspects that minimise downtimes and extend the unit's service life for improved productivity.

For control of the Demag LDC-Q quadro chain hoist, operators also benefit from DSC/DSE control pendants with their low-fatigue actuation force for improved ergonomics. To meet specific ergonomics needs, operators can choose between radio controls or cable-connected control pendants that can be integrated into stationary control units.

And ultimately, 2D and 3D geometry models in the Demag Designer tool give owners the opportunity to view a potential solution and its precise arrangement in their existing building and machinery infrastructure already at the pre-planning stage.



41211: Demag LDC-Q quadro chain hoist design with four load hooks

41822: Quadro chain hoist with load handling attachment and power unit in foodstuffs production

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